SAILOR® 6222 VHF DSC CLASS A

Improving everyday communications

2013 Product Sheet

The most important thing we build is trust

SAILOR 6222 VHF DSC continues the proud SAILOR tradition of setting new standards for GMDSS VHF design. It is a vital tool for daily operation and has been developed for the harsh maritime environment as part of the innovative SAILOR 6000 Series. It is based on the same foundation of high reliability, ease-of-use and leading-edge functionality that has positioned SAILOR as the top name in maritime VHFs.

SAILOR 6222 VHF provides flexibility through straightforward installation, either as part of a GMDSS console or on its own. As a result of improved, high performance and innovative, easy-to-use functionality the radio offers important operational enhancements. It introduces several new hardware and software improvements, including the improved SAILOR Replay functionality. The highly advanced 3.2" QVA display ensures the information can be read regardless of the light conditions on the bridge – day or night. The text can be displayed as white on black background, and as black on white background, to provide the optimal reading condition in daylight. Red backlight protects the night vision of the user.

- Unique SAILOR Replay (240 sec.) of incoming communication
- High quality display – perfect night and day vision
- Powerful 6W loudspeaker
- Intuitive and easy to operate menu structure
- Large tactile buttons and wheelknobs for easy operation
- The popular SAILOR handset
- ThraneLINK

The SAILOR 6222 VHF is the first ever DSC Class A to be rated waterproof to IPx6 and IPx8, making it possible to install on open workboats or outside deck areas.

More than GMDSS

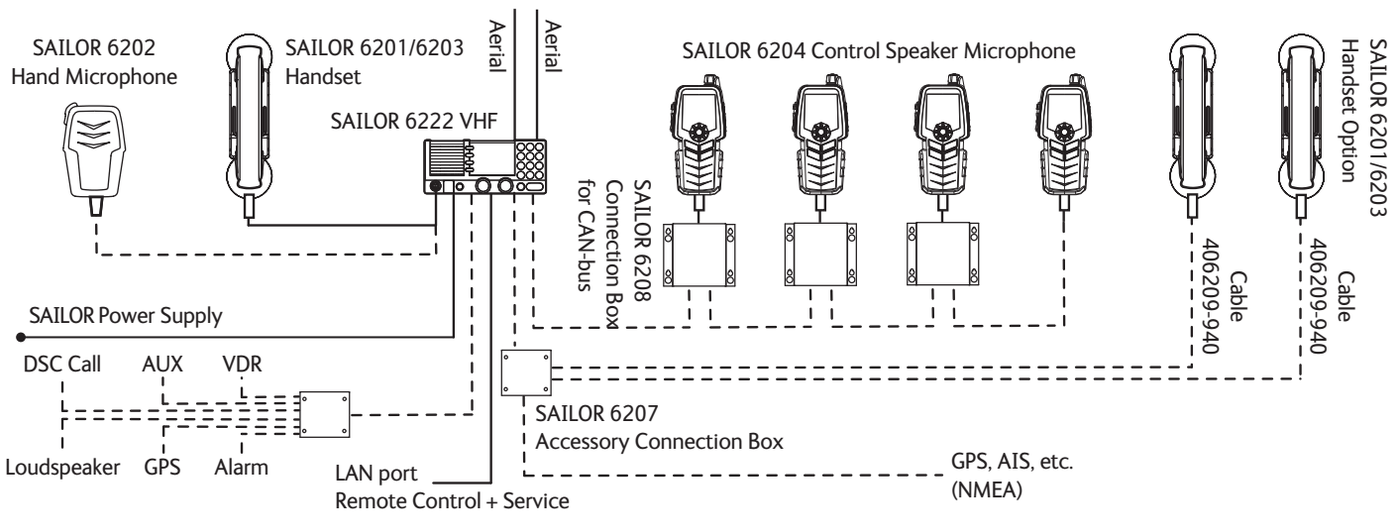
SAILOR 6222 VHF complies with DSC spec. 493-13 for VHF DSC Class A, which is part of the mandatory requirements for SOLAS vessels, and many national GMDSS requirements. In addition to its role as part of GMDSS it is one of the most advanced, high quality and powerful VHF radios available today. It is very well suited to a wide variety of maritime operational communications on board fishing vessels, merchant, offshore ships and workboats.

Flexible Solution

A broad portfolio of high quality accessories is available for the SAILOR 6222 VHF, which improve its installation flexibility and operational scope. Handset, hand microphones, SAILOR 6204 Control Speaker Microphone for bridge wing operation, as well as Alarm Panels and external loudspeakers, enable multiple users in different locations to utilize the high performance GMDSS Communication system.

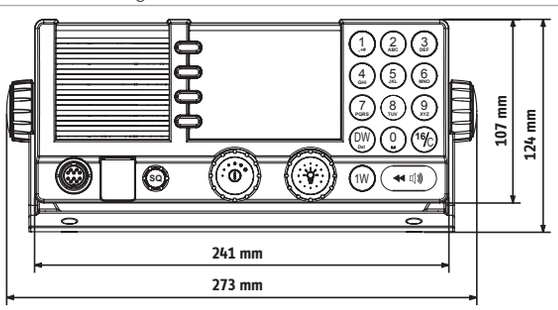
SAILOR® 6222 VHF DSC CLASS A

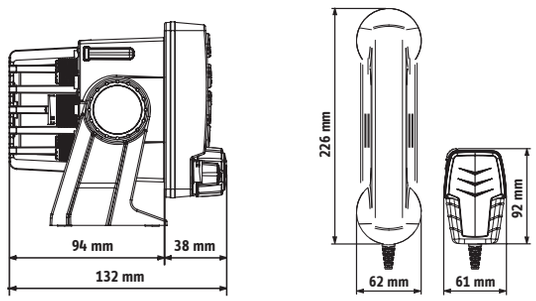
Improving everyday communications



TECHNICAL SPECIFICATIONS	
Power supply	12VDC Nominal (10.8– 15.6VDC). Reverse polarity protected
	SAILOR 6090 Power Converter (24-12V) incl.
Operational temperature range	-25°C to +55°C
Storage temperature range	-40°C to +80°C
Stand-by current consumption	< 500mA
Frequency range	TX 156,000-157,425, RX 156,000-163,425 MHz
Option: Extended frequency range in private channels	
Channel spacing	12.5kHz and 25kHz incl. all international maritime channels
Receiver sensitivity	< -119dBm Typically @ 20dB SINAD CCITT Weighted

INSTALLATION	
Bracket and flush mounting installation	X (included)
Water ingress	IPx8 and IPx6 all over
Note: In a flush mount installation a sealing gasket is provided. The SAILOR 6203 Handset or SAILOR 6202 Hand Microphone is required in waterproof installations.	
Weight SAILOR 6222 transceiver	< 1.50 kg (3.3 lbs)approx.
Weight SAILOR 6222 transceiver incl. Handset and mounting	< 2.50 kg (4.4 lbs) approx.





FEATURES	
SAILOR Replay	X
Display dimming	X
Red backlight	X
Large tacktile buttons and wheelknobs	X
Powerful loudspeaker	6W
Alert mute button	X
Dual- / Tri-watch and scanning	X
Transmit power	Hi / Lo: 25W and <1W
Built in DSC Class A (ITU493-13)	X

CHANNELS	
International channels	X
US channels (incl. WX)	X
Canadian channels	X
BI channels, incl ATIS and ATIS Killer	X
Private channels (P/F/L)	100

INTERFACES	
SAILOR 6204 control speaker microphones	4
SAILOR 6201/6202/6203 Handset/Hand Microphones	3
VDR	X
Printer interface	X
External loudspeaker	6W/8 Ohm

ThraneLINK

ThraneLINK is a sophisticated communication protocol that connects the SAILOR products in a network, offering important new opportunities to vessels. It provides facility for remote diagnostics and enables access to all the SAILOR products from a single point for service. This results in optimized maintenance and lower cost of ownership because less time is needed for troubleshooting and service. Installation is made easier as ThraneLINK automatically identifies new products in the system. The uniform protocol is an open standard which provides a future proof solution for all vessels.

For further information please contact:

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SAILOR® 6210 VHF & 6215 VHF DSC CLASS D

COBHAM

Get a trusted SAILOR on board

2013 Product Sheet

The most important thing we build is trust

Safety and efficiency at sea depend on superior communication, so professionals have for decades chosen SAILOR VHF. Now, the proven performance and unrivalled solid build quality that makes SAILOR the VHF choice for the discerning user have been passed on to the next generation, the SAILOR 6200 VHF series.

With competitive value, introduced to ensure availability to all professional vessels, the new generation SAILOR 6210 VHF and SAILOR 6215 VHF DSC Class D still retain the same premium, rugged feel of previous generations, but with improvements across the board. Designed with ease-of-use in mind, the SAILOR 6210 VHF and SAILOR 6215 VHF belong at the helm of any vessel crewed by professionals.

Features Include:

- Full waterproof to IPx8 (submersible) and IPx6 (spray) all over
- Large easy-to-read display with red backlight and dimming
- High quality, powerful 6W loudspeaker
- 2 hand microphones/handsets
- 1 control speaker microphone
- Detachable hand microphones - front and rear
- SAILOR Replay function
- DW, Tri-watch and scanning
- Loudhailer functionality with talkback
- Foghorn functionality

The robust, solid qualities of the SAILOR 6200 VHF series are apparent immediately. A large display with red backlight protects the user's night vision and makes it easy to read the intuitive menu. The tactile feel of the buttons and wheelknobs makes the VHFs very easier to operate. The powerful 6W built in loudspeaker ensures good sound quality, even in noisy environments.

Play it Again

The SAILOR 6200 VHF series feature the popular SAILOR Replay function, which constantly records the latest incoming messages. This function allows the user to clarify received information and ensures that it is not lost or ignored, if the user was occupied in other operations.

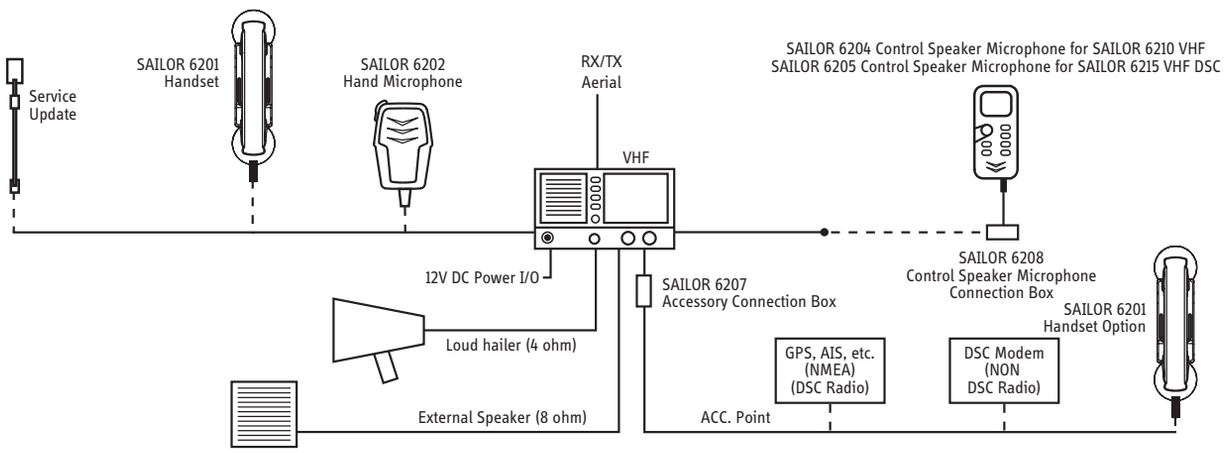
Flexible Installation

The SAILOR 6210 VHF and SAILOR 6215 VHF DSC Class D offer a very flexible installation. The waterproof design, covering the entire radio including hand microphone allows for open installations. The SAILOR 6200 VHFs can be operated by two extra handsets, hand microphones or one control speaker microphone. All are detachable and can be connected on both the front and the rear of the VHF. The VHF's also allow for interfaces to external loudspeaker, loudhailer with talkback and foghorn and additional equipment that can enable even more features.

With the SAILOR 6210 VHF and SAILOR 6215 VHF DSC Class D the new generation of SAILOR VHF is here. They are built on decades of history as the professional user's choice. Designed with the user in mind, keeping focus on high value, performance, ease-of-use, connectivity functionality and build quality the SAILOR 6200 VHF series continues the long tradition of SAILOR VHF.

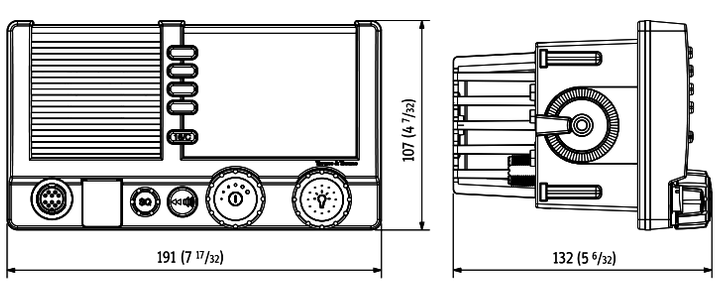
SAILOR® 6210 VHF & 6215 VHF DSC

Get a trusted SAILOR on board - FCC approved

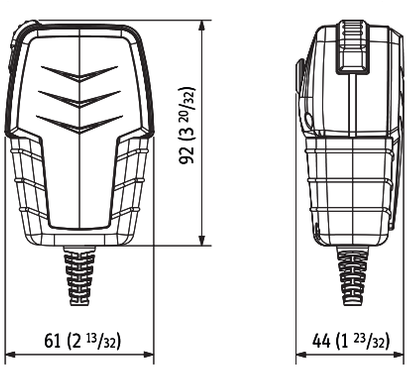

Service Update
SAILOR 6201 Handset
SAILOR 6202 Hand Microphone
RX/TX Aerial
VHF
SAILOR 6204 Control Speaker Microphone for SAILOR 6210 VHF
SAILOR 6205 Control Speaker Microphone for SAILOR 6215 VHF DSC
12V DC Power I/O
SAILOR 6207 Accessory Connection Box
SAILOR 6208 Control Speaker Microphone Connection Box
SAILOR 6201 Handset Option
Loud hailer (4 ohm)
GPS, AIS, etc. (NMEA) (DSC Radio)
DSC Modem (NON DSC Radio)
External Speaker (8 ohm)
ACC. Point

TECHNICAL SPECIFICATIONS	
Weight SAILOR 6210/6215 VHF transceiver unit, approx.	< 1.2kg
Weight SAILOR 6210/6215 VHF transceiver unit incl. Hand Microphone and mounting bracket, approx.	< 1,5kg
Operational Temperature Range	-15°C to 55°C
Storage Temperature Range	-40°C to 80°C
Power Supply	12VDC Nominal (10,8– 15,6VDC)
Frequency Range	TX 156,000-161,450, RX 156,000-163.425 MHz
Option: Extended frequency range in private channels	
Channel Spacing/Bandwith	12.5kHz and 25kHz
	- All international maritime channels
Receiver Sensitivity	< -119dBm Typically @ 20dB
Antenna	SINAD CCITT Weighted Connector UHF Plug PL259. 50 Ohm Antenna 1-antenna operation for both VHF and DSC communication

FEATURES	SAILOR 6210 VHF	SAILOR 6215 VHF DSC Class D
Built in DSC Class D		X
DSC address book		X
SAILOR Replay	X	X
Dual watch, Tri-watch and scanning	X	X
High/Low (25/1 Watt) transmit modes	X	X
Large display	X	X
Red backlight	X	X
Display dimming	X	X
Powerful loudspeaker (Distortion <5%)	6W	6W
Tactile buttons and wheelknobs	X	X
Alert mute button	X	X
CHANNELS		
International channels	X	X
US channels (incl. WX)	X	X
Canadian	X	X
BI channels	X	X
ATIS and ATIS Killer	X	X
Private channels	40	40
INTERFACE		
Loud hailer functionality with talk-back	30W	30W
Foghorn functionality	30W	30W
2 handsets, Hand Microphones and 1 Control Speaker Microphone - Detachable front and rear connection	X	X
External loudspeaker	6W	6W
INSTALLATION		
Bracket and flush mounting installation	X	X
Waterproof rating all over including Hand Microphones and Control Speaker Microphones	IPx8 & IPx6	IPx8 & IPx6
Approval	R&TTE & Canadian	R&TTE



Unit: mm (inch)



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SAILOR® 6248 VHF

Your Trusted Communication Partner

2013 Product Sheet

The most important thing we build is trust

SAILOR 6248 VHF continues the SAILOR tradition of setting new standards for VHF design.
A vital and reliable tool for daily operation, it has been developed for the harsh maritime environment as a part of the SAILOR 6000 series. It is based on the same foundation of high reliability, ease-of-use and leading-edge functionality that has positioned SAILOR as the frontrunner in maritime VHF radios.

The SAILOR 6248 VHF is the perfect communication partner in your daily work. Built to the exacting standards that have made SAILOR VHFs famous, it features:

- High performance Rx/Tx
- Powerful 6W loudspeaker
- Professional, high-quality SAILOR Handsets
- Intuitive and easy operation
- High quality display – perfect night and day vision
- Unique SAILOR Replay function – play back the last 240 sec.
- Large tactile buttons and dials for easy operation
- ThraneLINK for easy integration and maintenance

The SAILOR 6248 VHF is rated waterproof to both IPx6 and IPx8, making it possible to install on open workboats or outside deck areas.

More than a VHF

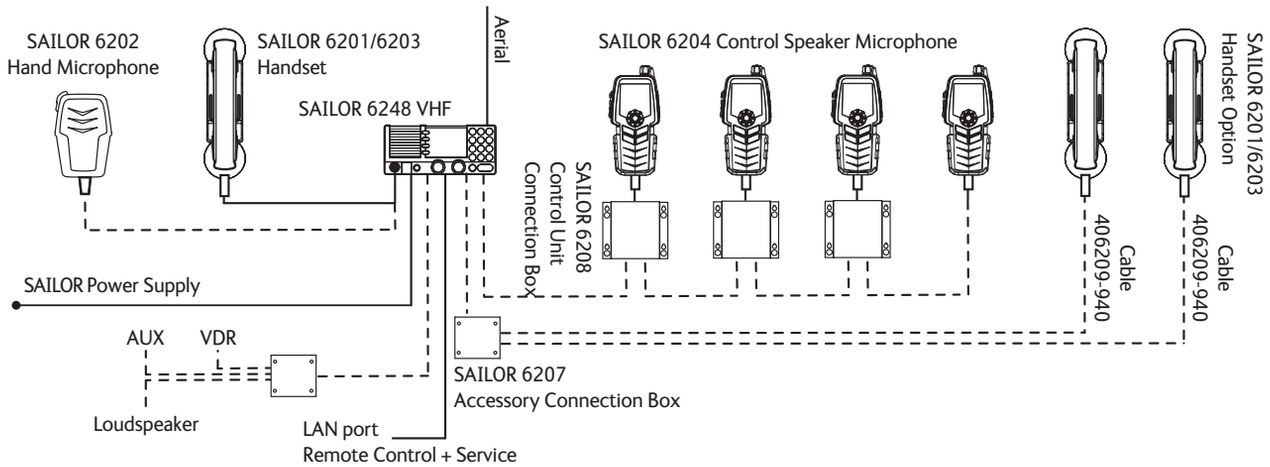
The SAILOR 6248 VHF is designed for all maritime work environments. In addition to the standard international maritime VHF channels, it also includes special channel tables for USA, Canada and BI (For inland Waterways) incl. ATIS and ATIS 'killer', and as standard up to 100 private channels (P/F/L). In addition to the standard SAILOR design and build quality, this makes it one of the most advanced, robust and powerful professional VHF radios available today. It is suited for a wide variety of maritime operational communications aboard fishing vessels, workboats and merchant and offshore ships.

Flexible Solution

A broad portfolio of high quality accessories is available for the SAILOR 6248 VHF, which improves its installation flexibility and operational scope. Handsets, Hand Microphones and the SAILOR 6204 Control Speaker Microphone for remote operation as well as external loudspeakers enable multiple users in different locations to utilize this high performance VHF.

SAILOR® 6248 VHF

Your Trusted Communication Partner

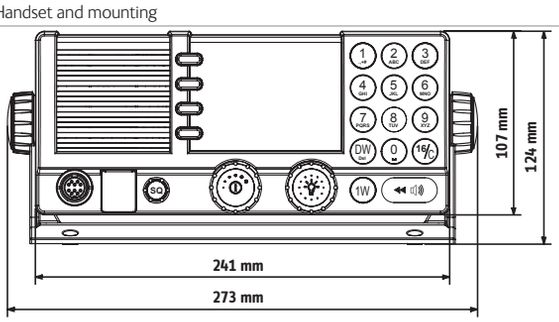


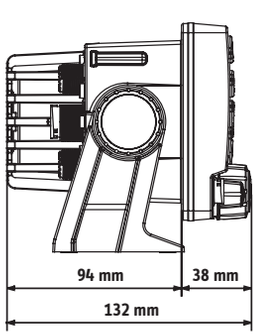
TECHNICAL SPECIFICATIONS

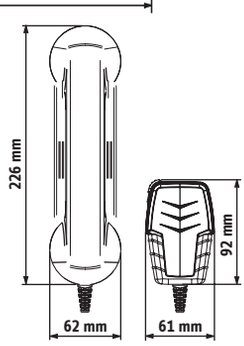
Power supply	12VDC Nominal (10.8– 15.6VDC). Reverse polarity protected
	SAILOR 6090 Power Converter (24-12V) incl.
Operational temperature range	-25°C to +55°C
Storage temperature range	-40°C to +80°C
Stand-by current consumption	< 500mA
Frequency range	TX 156,000-157,425 RX 156,000-163,425 MHz
Option: Extended frequency range in private channels	
Channel spacing	12.5kHz and 25kHz incl. all international maritime channels
Receiver sensitivity	< -119dBm Typically @ 20dB SINAD CCITT Weighted

INSTALLATION

Bracket and flush mounting installation	X (included)
Water ingress	IPx8 and IPx6 all over
Note: In a flush mount installation a sealing gasket is provided. The SAILOR 6203 Handset or SAILOR 6202 Hand Microphone is required in waterproof installations.	
Weight SAILOR 6248 transceiver	< 1.50 kg (3.3 lbs) approx.
Weight SAILOR 6248 transceiver incl. Handset and mounting	< 2.50 kg (4.4 lbs) approx.







FEATURES

SAILOR Replay	X
Display dimming	X
Red backlight	X
Large tacktile buttons and wheelknobs	X
Powerful loudspeaker	6W
Dual- / Tri-watch and scanning	X
Transmit power	Hi / Lo: 25W and <1W

CHANNELS

International channels	X
US channels (incl. WX)	X
Canadian channels	X
BI channels, incl ATIS and ATIS Killer	X
Private channels (P/F/L)	100

INTERFACES

SAILOR 6204 control speaker microphones	4
SAILOR 6201/6202/6203 Handset/Hand Microphones	3
VDR	X
External loudspeaker	6W/8 Ohm

ThraneLINK

ThraneLINK is a sophisticated communication protocol that connects the SAILOR products in a network, offering important new opportunities to vessels. It provides facility for remote diagnostics and enables access to all the SAILOR products from a single point for service. This results in optimized maintenance and lower cost of ownership because less time is needed for troubleshooting and service. Installation is made easier as ThraneLINK automatically identifies new products in the system. The uniform protocol is an open standard which provides a future proof solution for all vessels.

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SAILOR® 6249 VHF SURVIVAL CRAFT

Designed and Approved for Survival Crafts

2013 Product Sheet

The most important thing we build is trust

SAILOR 6249 VHF Survival Craft continues the SAILOR tradition of setting new standards for VHF design. It is a vital and reliable communication tool that has been developed to comply with the strict regulations of VHF installed in survival craft and is based on the same foundation of high reliability, ease-of-use and leading-edge functionality that has positioned SAILOR as the top name in maritime VHF.

Survival Craft Regulations

The SAILOR 6249 VHF Survival Craft is Wheelmark (MED-B) approved and complies with the ETSI EN 301 466 standard. This allows it to be installed as a fixed mounted VHF in a Survival Craft. It is rated waterproof to both IPx6 and IPx8 and in order to achieve this rating the SAILOR 6249 VHF Survival Craft has been subjected to an extreme series of testing, proving its resistance to fluctuating temperature, shock, water and oil among other environmental challenges.

You can trust the SAILOR 6249 VHF Survival Craft in a distress situation because it has been designed for just that. It features the same virtues and functionality that has positioned other SAILOR VHF models as clear leaders in the sectors they are designed for:

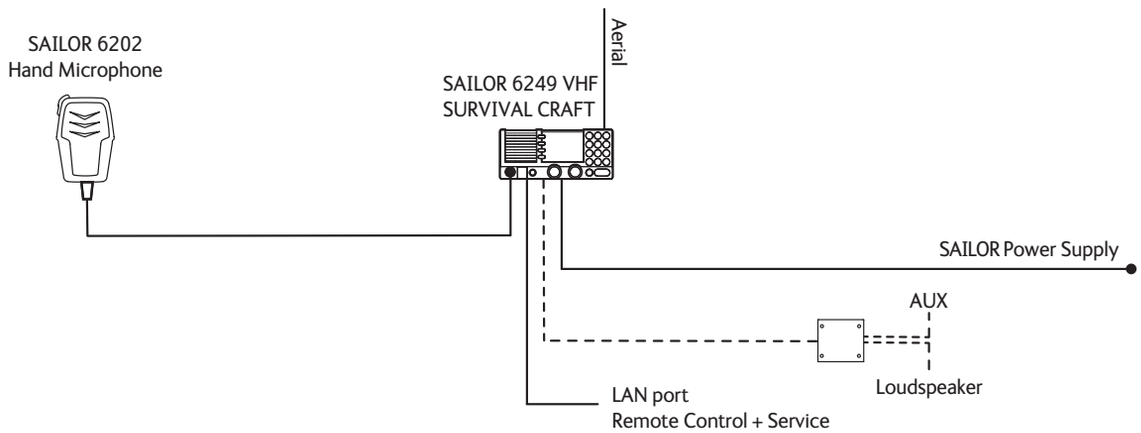
- High performance Rx/Tx
- Powerful 6W loudspeaker
- Professional, high-quality SAILOR Handsets
- Intuitive and easy operation
- High quality display – perfect night and day vision
- Unique SAILOR Replay function – play back the last 240 sec.
- Large tactile buttons and dials for easy operation
- ThraneLINK for easy integration and maintenance

More than a VHF

The SAILOR 6249 VHF Survival Craft is designed for extreme maritime situations. It includes the standard international maritime VHF channels as required in a Survival Craft VHF and as standard up to 100 private channels (P/F/L). The combination of world-renowned SAILOR design and build quality, the special approvals and extensive testing, make the SAILOR 6249 VHF Survival Craft one of the most advanced, high quality and powerful professional VHF radios available today.

SAILOR® 6249 VHF SURVIVAL CRAFT

Designed and Approved for Survival Crafts



TECHNICAL SPECIFICATIONS

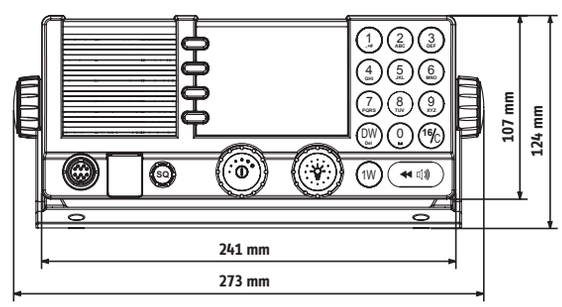
Power supply	12VDC Nominal (10.8– 15.6VDC). Reverse polarity protected
	SAILOR 6090 Power Converter (24-12V) incl.
Operational temperature range	-25°C to +55°C
Storage temperature range	-30°C to +80°C
Stand-by current consumption	< 500mA
Frequency range	TX 156,000-157,425 RX 156,000-163,425 MHz
Channel spacing	12.5kHz and 25kHz incl. all international maritime channels
Receiver sensitivity	< -119dBm Typically @ 20dB SINAD CCITT Weighted

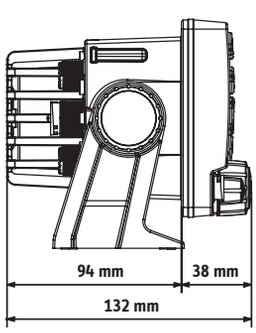
INSTALLATION

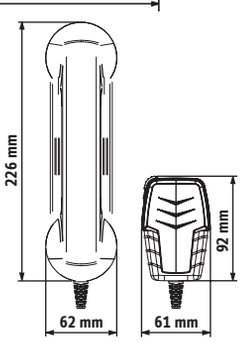
Bracket and flush mounting installation	X (included)
Water ingress	IPx8 and IPx6 all over
Weight SAILOR 6249 transceiver	< 1.50 kg (3.3 lbs) approx.

APPROVALS

Wheelmark (MED-B)
ETSI EN 301 466







FEATURES

SAILOR Replay	X
Display dimming	X
Red backlight	X
Large tacktile buttons and wheelknobs	X
Powerful loudspeaker	6W
Dual- / Tri-watch and scanning	X
Transmit power	Hi / Lo: 25W and <1W

CHANNELS

International channels	X

INTERFACES

SAILOR 6202 Hand Microphones	3
External loudspeaker	6W/8 Ohm

ThraneLINK

ThraneLINK is a sophisticated communication protocol that connects the SAILOR products in a network, offering important new opportunities to vessels. It provides facility for remote diagnostics and enables access to all the SAILOR products from a single point for service. This results in optimized maintenance and lower cost of ownership because less time is needed for troubleshooting and service. Installation is made easier as ThraneLINK automatically identifies new products in the system. The uniform protocol is an open standard which provides a future proof solution for all vessels.

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